

201
1.3
HW

3. p19-20 3-5, 11-15, 17, 18, 25-27, 31-33, 43
 $5\frac{1}{8} \times 2 = \boxed{10\frac{1}{4} \text{ in}}$ (4) $\frac{5}{8} \times 2 = \boxed{1\frac{1}{4} \text{ in}}$ (5) $13 \times 2 = \boxed{26 \text{ cm}}$

11. $x + 5 = 2x$

$5 = x$

$\boxed{AM = 10}$

12. $7x = 8x - 6$

$6 = x$

$\boxed{42 = EM}$

13. $6x + 7 = 4x + 5$

$2x = -2$

$x = -1$

$\boxed{JM = 1}$

14. $6x - 11 = 10x - 51$

$40 = 4x$

$10 = x$

$\boxed{PR = 98}$

(15) $x + 15 = 4x - 45$

$60 = 3x$

$20 = x$

$\boxed{SU = 70}$

(17) $\frac{3+7}{2}, \frac{5+5}{2}$

$\boxed{(5, 5)}$

18. $\frac{0+4}{2}, \frac{4+3}{2}$

$\boxed{(2, 3\frac{1}{2})}$

25. $R(3, 0)$

$M(0, 5)$

$\boxed{S(-3, 10)}$

26. $R(5, 1)$

$M(1, 4)$

$\boxed{S(-3, 7)}$

27. $R(6, -2)$

$M(5, 3)$

$\boxed{S(4, 8)}$

31. $PQ = \sqrt{(5-1)^2 + (4-2)^2}$

$16 + 4$

20

$\boxed{PQ = 2\sqrt{5} \text{ units}}$

32. $RQ = \sqrt{(2-3)^2 + (3-5)^2}$

$25 + 4$

$\boxed{RQ = \sqrt{29} \text{ units}}$

33. $ST = \sqrt{(3-(-1))^2 + (-2-2)^2}$

$16 + 16$

$\sqrt{32}$

$\boxed{ST = 4\sqrt{2}}$

43. $AB = \sqrt{(-3-0)^2 + (8-2)^2} = \sqrt{9+36} = \sqrt{45} = 3\sqrt{5}$

$CD = \sqrt{(0-(-2))^2 + (-4-2)^2} = \sqrt{4+36} = \sqrt{40} = 2\sqrt{10}$

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